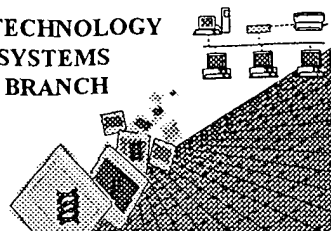


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/641,931D
Source: 1622
Date Processed by STIC: 6/21/2002

RECEIVED

JUL 11 2002

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/641,931D

DATE: 06/21/2002

TIME: 14:18:33

Input Set : A:\Robic1.app

Output Set: N:\CRF3\06212002\I641931D.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Lanctot, et al.
 5 <120> TITLE OF INVENTION: Nucleic Acid Molecule, Method and Kit for Selecting a
 6 Nucleic Acid Having A Desired Feature
 8 <130> FILE REFERENCE: 2003390-0001
 10 <140> CURRENT APPLICATION NUMBER: 09/641,931D
 11 <141> CURRENT FILING DATE: 2000-08-18
 13 <160> NUMBER OF SEQ ID NOS: 45
 15 <170> SOFTWARE: PatentIn Ver. 2.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 24
 19 <212> TYPE: DNA
 20 <213> ORGANISM: Artificial Sequence
 22 <220> FEATURE:
 23 <223> OTHER INFORMATION: sequence is completely synthesized
 25 <400> SEQUENCE: 1
 26 ggatccaata gaggattctt taac 24
 29 <210> SEQ ID NO: 2
 30 <211> LENGTH: 21
 31 <212> TYPE: DNA
 32 <213> ORGANISM: Artificial Sequence
 34 <220> FEATURE:
 35 <223> OTHER INFORMATION: sequence is completely synthesized
 37 <400> SEQUENCE: 2
 38 tcaccactct tctgtccctt c 21
 41 <210> SEQ ID NO: 3
 42 <211> LENGTH: 25
 43 <212> TYPE: DNA
 44 <213> ORGANISM: Artificial Sequence
 46 <220> FEATURE:
 47 <223> OTHER INFORMATION: sequence is completely synthesized
 49 <400> SEQUENCE: 3
 50 ggatcctacg aacatgacgac cactg 25
 53 <210> SEQ ID NO: 4
 54 <211> LENGTH: 21
 55 <212> TYPE: DNA
 56 <213> ORGANISM: Artificial Sequence
 58 <220> FEATURE:
 59 <223> OTHER INFORMATION: sequence is completely synthesized
 61 <400> SEQUENCE: 4
 62 tcattcttcgt gtgctagtca g 21
 65 <210> SEQ ID NO: 5
 66 <211> LENGTH: 30
 67 <212> TYPE: DNA

RAW SEQUENCE LISTING

DATE: 06/21/2002

PATENT APPLICATION: US/09/641,931D

TIME: 14:18:33

Input Set : A:\Robicl.app

Output Set: N:\CRF3\06212002\I641931D.raw

```

68 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: sequence is completely synthesized
73 <400> SEQUENCE: 5
74 agcgaattcg tcctgtggac agatcactgc 30
77 <210> SEQ ID NO: 6
78 <211> LENGTH: 30
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: sequence is completely synthesized
85 <400> SEQUENCE: 6
86 gctctcgagg aaggcacagc tgctttccac 30
89 <210> SEQ ID NO: 7
90 <211> LENGTH: 30
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: sequence is completely synthesized
97 <400> SEQUENCE: 7
98 cttctcgagc agtttaaacy tgagcttccc 30
101 <210> SEQ ID NO: 8
102 <211> LENGTH: 30
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: sequence is completely synthesized
109 <400> SEQUENCE: 8
110 acgtctagat catcttcgtg tgctagtcag 30
113 <210> SEQ ID NO: 9
114 <211> LENGTH: 47
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: sequence is completely synthesized
121 <400> SEQUENCE: 9
122 tcgagcagat ctgcagcacc actggtcacg gcaatgtgtc ggagcgg 47
125 <210> SEQ ID NO: 10
126 <211> LENGTH: 43
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: sequence is completely synthesized
133 <400> SEQUENCE: 10
134 ccgctccgac acattgccgt gaccagtggg gctgcagatc tgc 43
137 <210> SEQ ID NO: 11
138 <211> LENGTH: 60
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence

```

RAW SEQUENCE LISTING

DATE: 06/21/2002

PATENT APPLICATION: US/09/641,931D

TIME: 14:18:33

Input Set : A:\Robicl.app

Output Set: N:\CRF3\06212002\I641931D.raw

```

142 <220> FEATURE:
143 <223> OTHER INFORMATION: sequence is completely synthesized
145 <400> SEQUENCE: 11
146 gtgtccaagc catcagaggg gaaataaagc atctctacgg tggtcctaaa tagtcagcat 60
149 <210> SEQ ID NO: 12
150 <211> LENGTH: 28
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: sequence is completely synthesized
157 <400> SEQUENCE: 12
158 ccagagctca tgcggaccac tcttctgt 28
161 <210> SEQ ID NO: 13
162 <211> LENGTH: 24
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: sequence is completely synthesized
169 <400> SEQUENCE: 13
170 tcgcgattta aattaattaa gctt 24
173 <210> SEQ ID NO: 14
174 <211> LENGTH: 24
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: sequence is completely synthesized
181 <400> SEQUENCE: 14
182 aagcttaatt aatttaaatt gcga 24
185 <210> SEQ ID NO: 15
186 <211> LENGTH: 18
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: sequence is completely synthesized
193 <400> SEQUENCE: 15
194 agacgcgtag atctcacc 18
197 <210> SEQ ID NO: 16
198 <211> LENGTH: 20
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: sequence is completely synthesized
205 <400> SEQUENCE: 16
206 gatccgcacc gcaatatggc 20
209 <210> SEQ ID NO: 17
210 <211> LENGTH: 25
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 06/21/2002

PATENT APPLICATION: US/09/641,931D

TIME: 14:18:33

Input Set : A:\Robicl.app

Output Set: N:\CRF3\06212002\I641931D.raw

```

215 <223> OTHER INFORMATION: sequence is completely synthesized
217 <400> SEQUENCE: 17
218 tctagagatg cattatgcac atcag 25
221 <210> SEQ ID NO: 18
222 <211> LENGTH: 60
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: sequence is completely synthesized
229 <400> SEQUENCE: 18
230 tccaagccat cagaggggaa ataaagcatc tctacggtgg tcctaaatag tcagcatagt 60
233 <210> SEQ ID NO: 19
234 <211> LENGTH: 60
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: sequence is completely synthesized
241 <400> SEQUENCE: 19
242 actatgctga ctatttagga ccaccgtaga gatgctttat ttcccctctg atggcttgga 60
245 <210> SEQ ID NO: 20
246 <211> LENGTH: 20
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: sequence is completely synthesized
253 <400> SEQUENCE: 20
254 tagtcagcat agtacatttc 20
257 <210> SEQ ID NO: 21
258 <211> LENGTH: 51
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: sequence is completely synthesized
265 <400> SEQUENCE: 21
266 tcgatccgaa ttcgcgggccg ctctattgga tctcgcagca gatctgcagc a 51
269 <210> SEQ ID NO: 22
270 <211> LENGTH: 148
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: sequence is completely synthesized
277 <400> SEQUENCE: 22
278 agatgaatca agcttatcga taccgtcgag catgcatcta ggtgtccaag ccatcagagg 60
279 ggaaataaag catctctacg gtggtcctaa atagtcagca tagtacattt catctgacta 120
280 atactacaac accaccacca tgaataga 148
283 <210> SEQ ID NO: 23
284 <211> LENGTH: 18
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence

```

RAW SEQUENCE LISTING

DATE: 06/21/2002

PATENT APPLICATION: US/09/641,931D

TIME: 14:18:33

Input Set : A:\Robicl.app

Output Set: N:\CRF3\06212002\I641931D.raw

```

288 <220> FEATURE:
289 <223> OTHER INFORMATION: sequence is completely synthesized
291 <400> SEQUENCE: 23
292 gagtgggtccg catggtga                                18
295 <210> SEQ ID NO: 24
296 <211> LENGTH: 54
297 <212> TYPE: DNA
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: sequence is completely synthesized
303 <400> SEQUENCE: 24
304 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggggaatt tcgcgattta aatt    54
307 <210> SEQ ID NO: 25
308 <211> LENGTH: 48
309 <212> TYPE: DNA
310 <213> ORGANISM: Sindbis virus
312 <220> FEATURE:
313 <223> OTHER INFORMATION: sequence is completely synthesized
315 <400> SEQUENCE: 25
316 tctgcagcac cactggtcac ggcaatgtgt ttgctcggaa atgtgagc        48
319 <210> SEQ ID NO: 26
320 <211> LENGTH: 16
321 <212> TYPE: PRT
322 <213> ORGANISM: Sindbis virus
324 <220> FEATURE:
325 <223> OTHER INFORMATION: sequence is completely synthesized
327 <400> SEQUENCE: 26
328 Ser Ala Ala Pro Leu Val Thr Ala Met Cys Leu Leu Gly Asn Val Ser
329   1           5           10           15
332 <210> SEQ ID NO: 27
333 <211> LENGTH: 48
334 <212> TYPE: DNA
335 <213> ORGANISM: Artificial Sequence
337 <220> FEATURE:
338 <223> OTHER INFORMATION: sequence is completely synthesized
340 <400> SEQUENCE: 27
341 tctgcagcac cactggtcac ggcaatgtgt cggagcggaa atgtgagc        48
344 <210> SEQ ID NO: 28
345 <211> LENGTH: 16
346 <212> TYPE: PRT
347 <213> ORGANISM: Artificial Sequence
349 <220> FEATURE:
350 <223> OTHER INFORMATION: sequence is completely synthesized
352 <400> SEQUENCE: 28
353 Ser Ala Ala Pro Leu Val Thr Ala Met Cys Arg Ser Gly Asn Val Ser
354   1           5           10           15
357 <210> SEQ ID NO: 29
358 <211> LENGTH: 44
359 <212> TYPE: DNA

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/641,931D

DATE: 06/21/2002
TIME: 14:18:35

Input Set : A:\Robicl.app
Output Set: N:\CRF3\06212002\I641931D.raw

Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:33

see p. 7 for example

09/64/9510

2

<210> SEQ ID NO 33

<211> LENGTH: 13

<212> TYPE: DNA

<213> ORGANISM: Artificial Sequence

<220> FEATURE:

<223> OTHER INFORMATION: :

<400> SEQUENCE: 33

gagctcatgc gga

see p. 6 for explanation